

Table 1. Step-by-step Transformation results

Plate	Chloram.	Growth	Implications
WT AMB-1	-	Yes	WT are viable
WT AMB-1	+	No	Chloramphenicol is effective
TES AMB-1	-	Yes	
TES AMB-1	+	No	TES buffer does not affect growth
Electroporation	-	Yes	
Electroporation	+	No	Electroporated cells are viable
After 16 hr recovery PYMB	-	Yes	
After 16 hr recovery PYMB	+	No	Transformation unsuccessful
After 16 hr recovery No DNA	-	Yes	
After 16 hr recovery No DNA	+	No	Control is working
After 16 hr recovery PYMB +smtA+ mCherry Trial 1	-	Yes	
After 16 hr recovery PYMB +smtA+ mCherry Trial 1	+	No	Transformation unsuccessful
After 16 hr recovery PYMB +smtA+ mCherry Trial 2	-	Yes	
After 16 hr recovery PYMB +smtA+ mCherry Trial 2	+	No	Transformation unsuccessful

Table 2. Step-by-step Transformation Result with E.coli using same electroporation protocol as with AMB-1

Plate	Chloram.	Observations	Implications
WT E.Coli W3110	yes	No growth	
WT E.Coli W3110	no	Lawn Growth	WT are viable
TES E.Coli W3110	yes	no Growth	
TES E.Coli W3110	no	Lawn Growth	TES buffer is harmless
Electroporated	-	Lawn Growth	
no DNA	-	Lawn Growth	Electroporation is harmless
Electroporated	+	Colony growth	Behaved as expected
No DNA	+	4 medium sized colonies formed	